Axis Communications M3126-LVE

Axis M3126-LVE Network Surveillance System User Manual

Model: M3126-LVE | Part Number: 02918-001

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Axis M3126-LVE Network Surveillance System. Please read this manual thoroughly before using the product to ensure proper functionality and safety. The Axis M3126-LVE is an outdoor-rated, vandal-proof, and weather-resistant network camera designed for reliable surveillance.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the product and ensure user safety:

- **Installation:** Installation must be performed by qualified personnel in accordance with all local codes and regulations.

- **Power Source:** Use only the specified Power over Ethernet (PoE) source. Do not use unauthorized power adapters.

- **Environment:** Although the camera is weather-resistant, avoid direct exposure to extreme conditions beyond its operating specifications.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.

- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Axis M3126-LVE Network Surveillance Camera

- Installation Guide

- Mounting Accessories
- Drill Template
- Resistorx T20 tool

Image: The Axis M3126-LVE Network Surveillance System, a white dome camera, shown with its included mounting accessories.

4. SETUP AND INSTALLATION

4.1 Mounting the Camera

The Axis M3126-LVE is designed for ceiling mount installation in outdoor environments. Ensure the mounting surface is strong enough to support the camera's weight (approximately 1.1 kg / 2.42 lbs).

1. **Select Location:** Choose a suitable outdoor location for optimal surveillance coverage, considering power and network cable access.

2. **Prepare Surface:** Use the provided drill template to mark and drill holes for mounting screws and cable routing.

3. **Secure Mount:** Attach the camera's mounting base securely to the ceiling using appropriate screws and anchors.

4. **Connect Cables:** Route the Ethernet cable through the designated opening. Connect the Ethernet cable to the camera's M12 connection port. This camera supports Power over Ethernet (PoE) for both power and data transmission.

5. **Attach Camera Body:** Secure the camera body to the mounting base. Ensure all seals are properly seated to maintain weather resistance.

4.2 Network Connection and Initial Configuration

The camera connects to your network via a wired PoE Ethernet connection.

- **Power On:** Once connected to a PoE-enabled network switch or injector, the camera will power on automatically.

- **Discover Camera:** Use the Axis IP Utility or Axis Device Manager software (available on the Axis Communications website) to discover the camera on your network.

- **Assign IP Address:** Assign a static IP address or configure DHCP settings as required by your network infrastructure.

- **Access Web Interface:** Open a web browser and enter the camera's IP address to access its web interface.

- **Initial Login:** Follow the on-screen prompts to set a strong password for the administrator account.

- **Basic Settings:** Configure essential settings such as date, time, and video resolution (up to 4 MP, 2688 x 1512).

5. OPERATING THE CAMERA

The Axis M3126-LVE offers advanced surveillance capabilities. Access the camera's web interface for full control and configuration.

5.1 Live View and Recording

- **Live View:** From the web interface, navigate to the "Live View" section to see real-time video feed.

- **Video Quality:** Adjust video stream settings (resolution, frame rate, compression using MJPEG, H.264, H.265, Zipstream) to optimize for network bandwidth and storage.

- **Recording:** Configure recording schedules, motion detection triggers, and storage locations (e.g., network-attached storage, SD card if supported).

5.2 Advanced Features

- **IR Night Vision:** The camera automatically switches to infrared (IR) night vision in low-light conditions, providing clear black and white video.

- **Wide Dynamic Range (WDR):** WDR technology ensures clear images even in scenes with both very bright and very dark areas.

- **Audio:** The camera supports audio input for surveillance with sound. Configure audio settings in the web interface.

- **Event Management:** Set up event triggers (e.g., motion detection, tampering alarm) and corresponding actions (e.g., send email, start recording, upload video).

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your surveillance system.

- **Cleaning the Lens:** Periodically clean the camera lens with a soft, lint-free cloth. For stubborn dirt, use a mild lens cleaning solution. Do not use abrasive materials.
- **Firmware Updates:** Regularly check the Axis Communications website for firmware updates. Keeping the firmware updated ensures access to the latest features, security patches, and performance improvements.
- **Cable Inspection:** Periodically inspect all cables for signs of wear or damage, especially in outdoor installations.
- **Mounting Security:** Verify that the camera remains securely mounted and that all screws are tight.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the Axis M3126-LVE.

Problem	Possible Cause	Solution
No video feed	No power; Network cable disconnected; Incorrect IP address.	Check PoE connection; Verify network cable is securely connected; Confirm IP address and network settings.
Poor image quality	Dirty lens; Incorrect video settings; Insufficient lighting.	Clean the camera lens; Adjust resolution, compression, and WDR settings; Ensure IR night vision is active in low light.
Cannot access web interface	Incorrect IP address; Network connectivity issue; Firewall blocking access.	Verify IP address; Check network cable and switch; Temporarily disable firewall for testing; Use Axis IP Utility to find camera.
Camera offline intermittently	Unstable network connection; Faulty PoE injector/switch; Loose cable connection.	Check network infrastructure; Test PoE equipment; Secure all cable connections.

8. SPECIFICATIONS

Key technical specifications for the Axis M3126-LVE Network Surveillance System:

- **Model Name:** AXIS M3126-LVE
- **Part Number:** 02918-001
- **Indoor/Outdoor Usage:** Outdoor
- **Connectivity Protocol:** Ethernet
- **Mounting Type:** Ceiling Mount
- **Color:** White
- **Item Weight:** 1.1 Kilograms (2.42 pounds)
- **Video Capture Format:** MPEG-4, H.264, H.265, MJPEG
- **Manufacturer:** Axis Communications
- **Special Features:** 4 MP HD, IR night vision, WDR (Wide Dynamic Range), Zipstream, rugged weather/vandal resistance
- **Connectivity Technology:** Wired PoE Ethernet, extensive network protocol support

- **Resolution:** Up to 2688 x 1512 (4 MP)

- **Included Components:** Camera, Mounting Accessories

- **Batteries Required:** No

- **Recommended Uses:** Outdoor/indoor security, wide-area monitoring, day/night surveillance, smart detection

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Axis Communications website or the warranty card included with your product. Axis Communications provides technical support and resources for their products.
Online Support: Visit the official Axis Communications support portal for FAQs, documentation, and software downloads.
Contact Support: For direct assistance, contact Axis Communications customer support through their website or the contact information provided in your product documentation.
Note: Protection plans may be available from third-party providers. These are separate from the manufacturer's warranty.